AEE/SWD/DHZ/SBR/01/18
dt: 10/7/18

M. A. R. 57 (Rule 116) **No. B**

Measurement Book

454224

Serial No. 1st and final bill Abstract

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of Work :	Construction of RCC culvert and U shape drain for secondary SWD in Mallasandra Ward No: 13.					
	Est. cost	Rs 1,50,00,000/-					
	Tender cost	Rs 1,28,58,102/-					
	Job code	013-18-000078					
	Contractor Name	M/s K V K Constructions					
	Work Order No.	EE/SWD/DHZ/WO/04/2017-18 dt 07/12/2017					
	Date of commencement :	12/05/2017					

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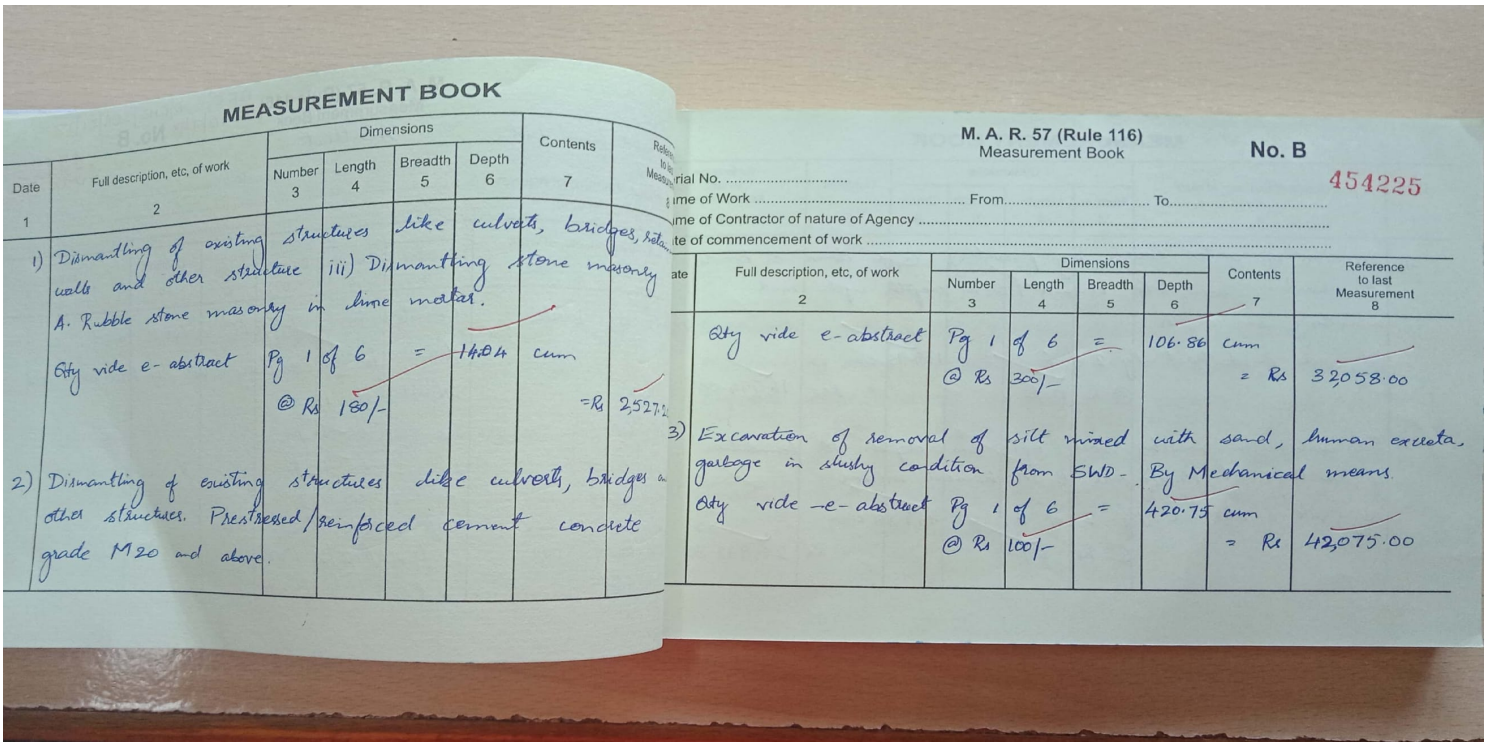

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	
	1) Dismantling of existing structures like culverts, bridges, retaining walls and other structure iii) Dismantling stone masonry A. Rubble stone masonry in lime mortar.						
	Qty vide e-abstract Pg 1 of 6 = 1404 cum @ Rs 180/-					=Rs 2,527.2	
	2) Dismantling of existing structures like culverts, bridges and other structures. Prestressed/reinforced cement concrete grade M20 and above.						

M. A. R. 57 (Rule 116)
Measurement Book

No. B

454225

...rial No. .....
...me of Work ..... From..... To.....
...me of Contractor of nature of Agency .....
...te of commencement of work .....

...ate	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
	2	3	4	5	6	7	8
	Qty vide e-abstract	Pg 1 of 6 @ Rs	300/-	=	106.86	cum = Rs	32058.00
	3) Excavation of removal of silt mixed with sand, human excreta, garbage in slushy condition from SWD. By Mechanical means						
	Qty vide -e-abstract	Pg 1 of 6 @ Rs	100/-	=	420.75	cum = Rs	42,075.00

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	4) Diversion of water course by providing coffer dams of bunds of islands ... complete beyond 1.50 m depth upto and including 3m depth						
	Qty vide e-abstract Pg 2 of 6				=	139.95 cum	
	@ Rs 120/-					= Rs.	16,794
	5) Excavation in marshy soil upto 3m depth for foundation of structures. V. Marshy soil. B. Mechanical means.						
	Qty vide e-abstract Pg 2 of 6				=	449.88 cum	
	@ Rs 60/-					= Rs	26,992.8

M. A. R. 57 (Rule 116)
Measurement Book

No. B 454226

erial No. .....
ame of Work ..... From..... To.....
ame of Contractor of nature of Agency .....
ate of commencement of work .....

ate	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
	6) Earthwork in excavation for foundation of structures ... in Ordinary soil. B- Mechanical means. i) Depth upto 3 m.						
	Qty vide e-abstract Pg 2 of 6				=	~~1561.91~~ 1602.29 cum	
	@ Rs 30/-					= Rs	~~46,857.30~~ 48,068.70
	7) Providing and filling in foundation with granite/trap broken metal 100mm and down size						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	Qty vide - e- abstract Pg 2 of 6 = @ Rs 1500/-				~~287.43 cum~~ 311.54 cum	= Rs	~~4,31,145~~ 4,67,310
8)	Plain cement concrete M10 with OPC cement @ 220 kgs with crushed 40mm and down size graded metal						
	Qty vide e-abstract Pg 3 of 6 = @ Rs 4100/-				~~142.33 cum~~ 154.09 cum	= Rs	~~5,83,553~~ 6,31,769
9)	Plain/reinforcement cement concrete design mix M25 with OPC cement @ 340 kgs with 20mm and down size graded metal						

M. A. R. 57 (Rule 116)
Measurement Book
No. B
454227

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ne of Work ..... From..... To.....
ne of Contractor of nature of Agency .....
e of commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
Open foundation						
Qty vide e-abstract Pg 3 of 6 = @ Rs 5990/-				212.39 cum ~~191.58 cum~~	= Rs	~~13,47,564.20~~ 12,72,216.10
9) Design mix M25 sub structure with OPC cement @ 340 kgs with 20mm and down size graded granite metal course. Upto 5m height.						
Qty vide e-abstract Pg 3 of 6 = @ Rs 6560/-				289.20 cum	= Rs	18,97,152.00

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Ref. to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	11) Plain / reinforced cement concrete in open foundation with OPC cement design mix M30 @ 360 kgs with 20mm and downsize graded metal coarse aggregate.						
	Qty vide e-abstract Pg 3 of 6 =					~~35.56 cum~~ 94.58 cum	
	@ Rs 6100/-					= Rs	~~5,21,91~~ 5,76,93
	12) Design mix M30 sub structure with OPC cement @ 360 kg with 20mm and downsize graded metal. Upto 5m height						
	Qty vide e-abstract Pg 4 of 6 =					78.69 cum	
	@ Rs 7100/-					= Rs	5,58,69

M. A. R. 57 (Rule 116)
Measurement Book

No. B

454228

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e of Work ..... From..... To.....
e of Contractor of nature of Agency .....
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e	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
3)	Furnishing and placing reinforced / pre stressed cement concrete in super structure M30 @ 360 kgs						
	Qty vide e-abstract Pg 4 of 6 =					85.72 cum	
	@ Rs 7300/-					= Rs	6,25,756.00
4)	Supplying fitting and placing TMT bar reinforcement in sub-structure						
	Qty vide e-abstract Pg 4 of 6 =					65.05 ~~64.2109~~ 65.2688 MT	
	@ Rs 48900/-					= Rs	~~31,39,913.16~~ 31,91,646.43
							31,80,556.00

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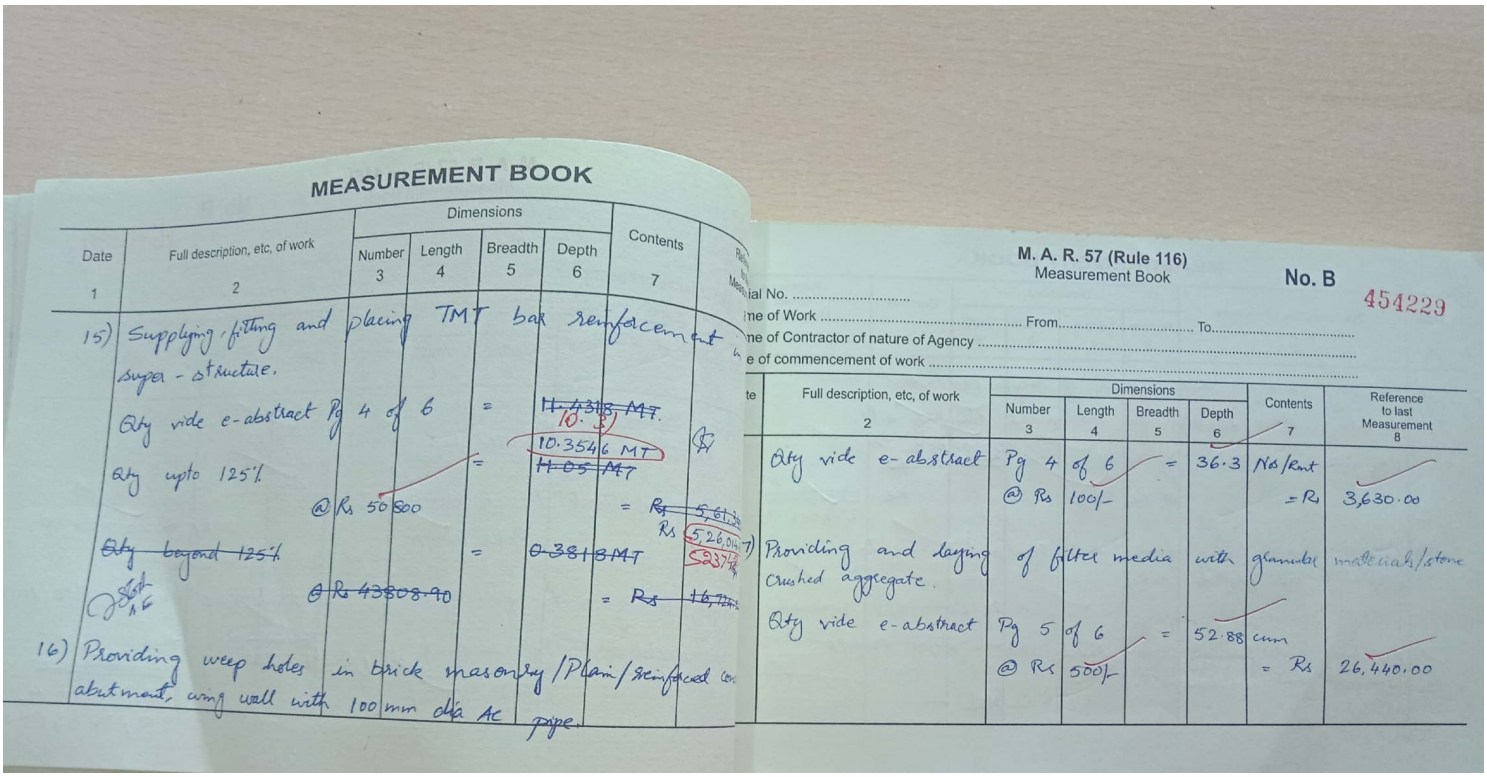

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	
	15) Supplying, fitting and placing TMT bar reinforcement in super-structure.						
	Qty vide e-abstract Pg 4 of 6	=			~~11.4318 MT~~ 10.3		
	Qty upto 125%	=			~~10.3546 MT~~ ~~11.05 MT~~		
	@ Rs 50,800	=				~~Rs 5,61,2~~ Rs 5,26,0	
	~~Qty beyond 125%~~	=			~~0.3818 MT~~		
	~~@ Rs 43808.40~~	=				~~Rs 16,72~~	
	16) Providing weep holes in brick masonry/Plain/Reinforced abutment, wing wall with 100 mm dia AC pipe.						

M. A. R. 57 (Rule 116)
Measurement Book
No. B 454229

...ial No. .....
...me of Work ..... From..... To.....
...me of Contractor of nature of Agency .....
...e of commencement of work .....

...te	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
	2	3	4	5	6	7	8
	Qty vide e-abstract	Pg 4 of 6		=	36.3	Nos/Rmt	
		@ Rs 100/-				= Rs	3,630.00
	Providing and laying of filter media with granular materials/stone crushed aggregate.						
	Qty vide e-abstract	Pg 5 of 6		=	52.88	cum	
		@ Rs 500/-				= Rs	26,440.00

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
18)	Collecting, conveying and disposal of surplus/excavated earth including stone/boulder to designated dumping site.				2220.48 cum		
	Qty vide e-abstract	Pg 5 of 6	=		~~2188.18 cum~~		
		@ Rs 96/-				= Rs	~~1,96,~~ 1,99,843
19)	Providing and fixing 50mm diameter and 750mm long perforated GI pressure relief pipe						
					— NIL —		
20)	Providing and fixing 20mm thick 150mm depth tarfelt expansion joint filler board.						
					— NIL —		

M. A. R. 57 (Rule 116)
Measurement Book

No. B 454230

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te	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
-1)	Supplying and fixing MS Rectangular poles made out of 2 equal angles 65x65x6 mm welded together.						
	Qty vide e-abstract	Pg 6 of 6	=		500.50	Rmt	
		@ Rs 992.0				= Rs	4,96,496.00
2)	Providing chain link fencing 50mm size of 8 guage between existing rectangular poles properly stretched						
	Qty vide e-abstract	Pg 6 of 6	=		1195.0	sqm	
		@ Rs 698.0				= Rs	8,34,110.00

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	23) Providing and fixing M.S. black pipe of 38mm of heavy gu						
	Qty vide e-abstract Pg 6 of 6		=			1912.00	
	@ Rs 300.00					= Rs 5,73,60	
	24) Reinforced cement concrete M30 approach slab including						
	reinforcement @ 50 kg/cum and form work						
	Qty vide e-abstract Pg 6 of 6		=			36.0 cum	
	@ Rs 10300.00					= Rs	3,70,80
	Grand Total ——→					Rs	1,24,20,9
							124070

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 454231

Material No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
	Certificate						
	1) Certified that the contractor has removed all the debris from work spot and has executed the work satisfactorily.						
	2) Certified that the contractor has used RMC grade M25, M30 for the works and recovery and royalty statement are attached in bil						
	3) Certified that the above item of works was not claimed in any other bill.						

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